

Comparisons of Job Characteristics

Focus Occupation: Prosthodontists (29-1024)

Associated Occupation: Oral and Maxillofacial Surgeons (29-1022)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

| | |
|----|--|
| << | Focus occupation element is much lower |
| < | Focus occupation element is lower |
| 0 | Focus occupation element is at a similar level |
| > | Focus occupation element is at a higher level |
| >> | Focus occupation element is at a much higher level |

Knowledge

Similarity of Focus Occupation to Associated Occupation: 90

Focus Occupation: Prosthodontists (29-1024)

Associated Occupation: Oral and Maxillofacial Surgeons (29-1022)

| Associated Occupation's Key Knowledge Elements | Average Rating, All Occupations | Associated Occupation's Rating | Focus Occupation's Rating | | Evaluation of Focus Occupation |
|--|---------------------------------|--------------------------------|---------------------------|----|---|
| Medicine and Dentistry | 3.7 | 24.2 | 22.3 | 0 | Current knowledge level may be sufficient |
| Customer and Personal Service | 11.3 | 17.7 | 15.0 | < | Expanded education and/or training may be required |
| Biology | 3.7 | 15.2 | 12.4 | < | Expanded education and/or training may be required |
| Administration and Management | 8.4 | 14.0 | 12.3 | < | Expanded education and/or training may be required |
| Therapy and Counseling | 3.8 | 13.2 | 8.0 | << | Extensive education and/or training may be required |
| Personnel and Human Resources | 5.6 | 11.5 | 9.8 | < | Expanded education and/or training may be required |
| Sales and Marketing | 5.2 | 10.1 | 10.7 | 0 | Current knowledge level may be sufficient |
| Chemistry | 4.8 | 9.6 | 11.5 | > | Current knowledge level is likely sufficient |

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 86

Focus Occupation: Prosthodontists (29-1024)

Associated Occupation: Oral and Maxillofacial Surgeons (29-1022)

| Associated Occupation's Key Skills Elements | Average Rating, All Occupations | Associated Occupation's Rating | Focus Occupation's Rating | | Evaluation of Focus Occupation |
|---|---------------------------------|--------------------------------|---------------------------|----|--|
| Reading Comprehension | 10.7 | 16.1 | 10.5 | << | Extensive development of skills in this area may be required |
| Critical Thinking | 10.8 | 14.8 | 12.0 | < | A higher skill level may be required |
| Complex Problem Solving | 9.1 | 13.9 | 11.2 | < | A higher skill level may be required |

| | | | | | |
|------------------------------|-----|------|------|----|--|
| Judgment and Decision Making | 9.4 | 13.9 | 9.8 | << | Extensive development of skills in this area may be required |
| Science | 4.5 | 11.6 | 7.9 | << | Extensive development of skills in this area may be required |
| Service Orientation | 7.9 | 11.5 | 10.5 | 0 | Current skill level may be sufficient |

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

| Abilities | | Similarity of Focus Occupation to Associated Occupation: 91 | | | |
|--|---------------------------------|---|---------------------------|--------------------------------|--|
| Focus Occupation: Prosthodontists (29-1024) | | | | | |
| Associated Occupation: Oral and Maxillofacial Surgeons (29-1022) | | | | | |
| Associated Occupation's Key Abilities Elements | Average Rating, All Occupations | Associated Occupation's Rating | Focus Occupation's Rating | Evaluation of Focus Occupation | |
| Arm-Hand Steadiness | 6.8 | 18.4 | 10.6 | << | Extensive improvement in abilities may be required |
| Finger Dexterity | 7.6 | 18.2 | 12.9 | << | Extensive improvement in abilities may be required |
| Control Precision | 6.6 | 17.8 | 9.2 | << | Extensive improvement in abilities may be required |
| Manual Dexterity | 6.5 | 17.8 | 11.6 | << | Extensive improvement in abilities may be required |
| Problem Sensitivity | 11.1 | 17.6 | 11.1 | << | Extensive improvement in abilities may be required |
| Inductive Reasoning | 10.2 | 15.7 | 10.7 | << | Extensive improvement in abilities may be required |
| Deductive Reasoning | 10.6 | 15.1 | 10.8 | << | Extensive improvement in abilities may be required |
| Information Ordering | 9.9 | 13.8 | 8.3 | << | Extensive improvement in abilities may be required |
| Selective Attention | 8.7 | 12.6 | 8.5 | << | Extensive improvement in abilities may be required |
| Wrist-Finger Speed | 3.2 | 8.8 | 3.4 | << | Extensive improvement in abilities may be required |

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

| Activities that Both Occupations Have in Common | | Similarity of Focus Occupation to Associated Occupation: 100 |
|---|-------------------------|--|
| Focus Occupation: Prosthodontists (29-1024) Associated Occupation: Oral and Maxillofacial Surgeons (29-1022) | | |
| Work Activities | Exclusivity of Activity | |
| Administer anesthetics | 77 | |
| Administer injections | 60 | |
| Administer medications or treatments | 46 | |
| Analyze dental data | 89 | |

| | |
|---|----|
| Calculate medical dosages | 77 |
| Collect dental laboratory diagnostic data | 89 |
| Communicate technical information | 4 |
| Conduct patient assessments | 69 |
| Follow clinical radiation safety procedures | 77 |
| Follow dental or medical x-ray procedures | 81 |
| Follow infectious materials procedures | 52 |
| Follow patient care procedures | 60 |
| Follow surgical procedures | 81 |
| Identify body response variations | 57 |
| Interpret medical laboratory test results | 72 |
| Interpret x-rays | 76 |
| Make decisions | 24 |
| Make presentations on health or medical issues | 50 |
| Monitor patient's condition | 87 |
| Obtain information from clients, customers, or patients | 40 |
| Prepare patient reports | 66 |
| Prescribe or recommend drugs, medical devices or other forms of treatment | 76 |
| Understand properties or composition of drugs | 64 |
| Understand technical operating, service or repair manuals | 6 |
| Use clinical problem solving techniques | 69 |
| Use dental treatment procedures | 87 |
| Use emergency medical treatment procedures | 76 |
| Use interpersonal communication techniques | 10 |
| Use knowledge of dental terminology | 87 |
| Use knowledge of medical terminology | 40 |
| Use medical diagnostic techniques | 71 |
| Use medical equipment in direct patient care | 75 |
| Use research methodology procedures in health care | 63 |
| Use sanitation practices in health care settings | 48 |
| Write technical health or medical documents | 73 |

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: 87

Focus Occupation: Prosthodontists (29-1024)
Associated Occupation: Oral and Maxillofacial Surgeons (29-1022)

| Tools and Technologies | Exclusivity |
|---|-------------|
| Computers | 1 |
| Content authoring and editing software | 1 |
| Dental and subspecialty instruments and devices | 37 |
| Dental fillers and finishing and polishing supplies | 47 |
| Dental imaging equipment and supplies | 47 |

| | |
|---|----|
| Industry specific software | 1 |
| Medical gloves and accessories | 19 |
| Medical staff clothing and related articles | 17 |
| Surgical equipment and accessories and related products | 23 |
| Suture and related products | 23 |
| Suture and surgical tissue closure instruments and related products | 33 |
| Viewing and observing instruments and accessories | 4 |
| Vision protection and accessories | 3 |

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.